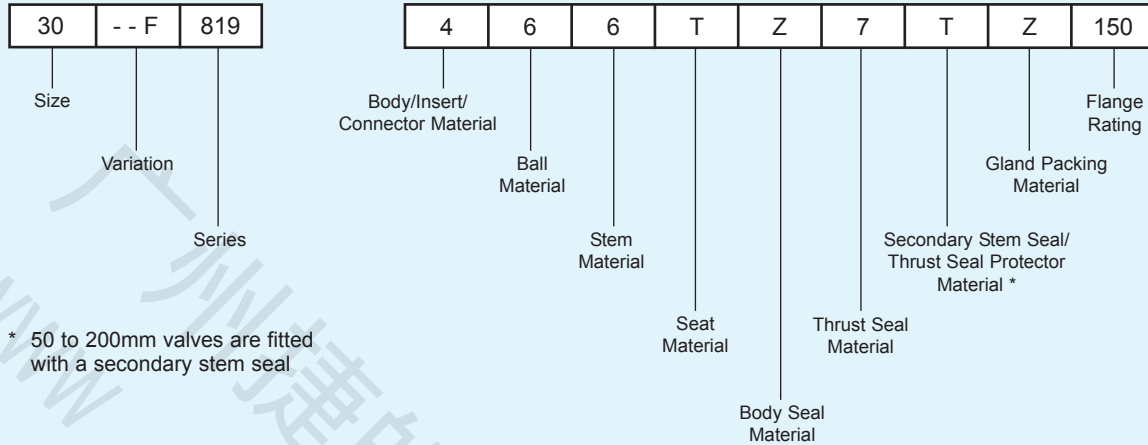


PRODUCT CODING



NOTES

- When wrench not fitted, flats on stem when parallel to pipeline axis denote open position.
- Installation, Operating and Maintenance instructions are available on request.
- Limiting stem input torque figures are based on random practical laboratory tests. For critical applications where a guaranteed figure is essential, consult Worcestor Controls.
- Compliance with ANSI B16.10 requires that 50, 80 and 100mm 819 valves are of shorter pattern face to face lengths than the earlier standard F96 series.

STANDARDS OF COMPLIANCE

Valve Specification	BS 5351, valves for the petroleum industry. Lloyds Register type approved. Pressure Equipment Directive 97/23/EC
Flanges 819	BS 1560 Class 150
Flanges 829	BS 1560 Class 300
Face to Face Lengths	ANSI B16.10 as standard. 50, 80 & 100mm Class 150 to BS2080 optional. (See Note 4)
Pressure Test Specification	BS 6755 Part 1
Firesafe Specification	BS 6755 Part 2, ISO 10497, API 6FA, API 607 4th Edition
Quality Assurance	ISO 9000
Sour Gas Applications	NACE MR.01.75 (internal only)

TECHNICAL INFORMATION

Valve Size (mm)	Series	Weight kg	Limiting Stem Input Torque - Nm	Flow Coefficients	
				Cv	Kv
50	819	12.0	192	501	423
	829	15.0			
80	819	22.0	336	1158	978
	829	32.0			
100	819	40.0	620	2118	1789
	829	57.0			
150	819	88.0	1138	5074	4287
	829	117.0			
200	819	176.0	2006	9337	7889
	829	236.0			
See Note 3				Cv - Flow in US GPM Pressure - psi Kv - Flow in M ³ /hr Pressure - bar	



Worcestor's 819 full bore valve mounted with the Norbro 40R pneumatic actuator (l) and Series 75 electric actuator (r).